4380 Halifax Street
Burnaby, BC

# Arash Outadi

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## Experience

| Engineering Co-op Student | Andritz Ltd. | Aug 2016 - Dec 2016 |
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- Created Excel utilities with VBA that massively stream-lined SAP processes, saving Project Managers 10 hours every week
- Developed Python GUI database app with SQLite to reduce time searching for SAP materials by 50%

| Data Analyst Intern | Canadian Logistics | Dec 2015 - May 2016 |
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- Replaced manual processes with Python to efficiently consolidate all data saving 2 hours per day
- Improved hiring practices by analyzing compiled data to demonstrate the low retention rates associated with hiring through labor agencies
- Utilized Excel pivot tables to summarize, categorize, and present data allowing the owner to make informed decisions about company operations

## Education

| Vancouver, BC | University of British Columbia | Sep 2013 - May 2018 |
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B.A.Sc in Mechanical Engineering GPA: 3.6/4.33

## Projects

- **Strength Journal**  (Google Play Store) (Github) *Kotlin, Java, XML, SQLite,*
  An Android workout tracker that let's you jump straight into recording your exercises

- **Element Eraser**  (Chrome Web Store) *JavaScript, Chrome API, HTML, CSS,*
  A chrome extension that automatically removes any content that the user does not want to see. Furthermore users can save multiple profiles for any website

- **Blob Combat Simulation**  (Github) *C++, SFML, QtCreator, Eigen,*
  Developed a simulation where 'blobs' evolve to fight using neural networks and different genetic selection algorithms

- **Water Jet Propelled Vehicle**  (Portfolio Link) *C, MATLAB, SolidWorks, 3D Printing,*
  Built a water-jet propelled RC car that came 1st place out of 20 teams in competition, scoring major points for a time marching simulation that predicted vehicle kinematics to within 12% accuracy

- **Improved UBC Transcript**  (Github) *Python, Flask, JavaScript,*
  A JavaScript bookmarklet that users can easily click to enhance the unofficial UBC Transcript by removing clutter and adding course information to grades. Retrieves information from web app with REST API

## Languages and Technologies

- General Programming: Python, C++, Java, Kotlin, C, MATLAB
- Web Development: Flask, Django, Selenium, Javascript, HTML, CSS
- IDEs: Visual Studio, Android Studio, QtCreator, PyCharm, IntelliJ